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PATENT ABSTRACTS OF JAPAN

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(71)Applicant: MATSUSHITA ELECTRIC IND CO

LTD

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(72)Inventor: FURUTA AKIHIRO

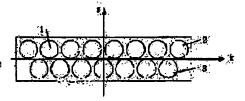
TANAKA TSUNEO

(54) DIRECTIONAL SPEAKER DEVICE

(57)Abstract:

PURPOSE: To provide a directional speaker device for not generating strong side lobes even in a frequency band whose wavelength is shorter than the interval of speaker units.

CONSTITUTION: This device is provided with a speaker array 2 in which 8 speaker units 1 are arranged in a line with a fixed interval and the speaker array 3 composed of 7 speaker units 1 arranged parallelly at the positions next to the speaker array 2 so as to be shifted from the positions of the speaker units 1 with the direction of the speaker array 2 as a reference. Thus, the frequency band is widened to the side of a high frequency band.



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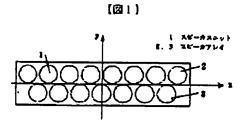
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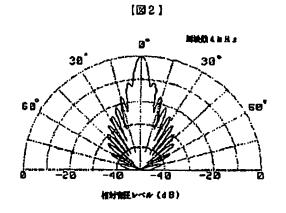
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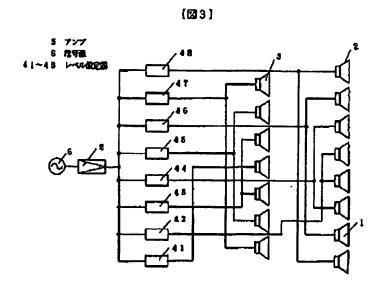
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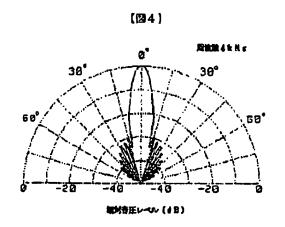
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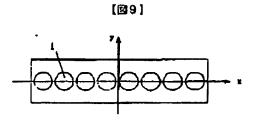
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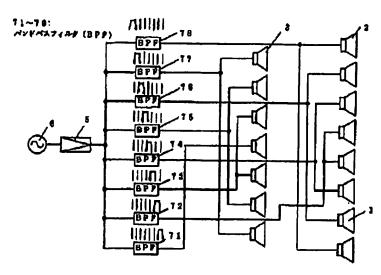




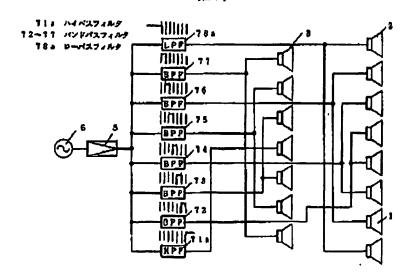
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(図5)



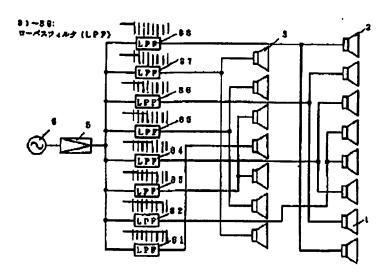
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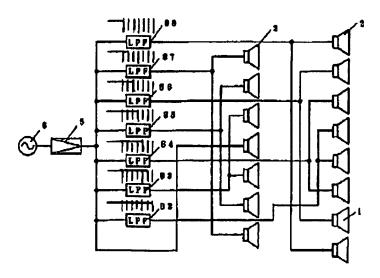
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[27]



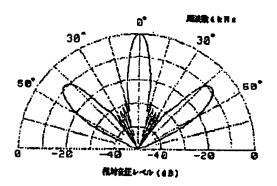
[図8]



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[図10]



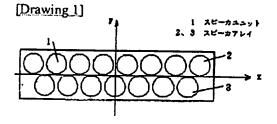
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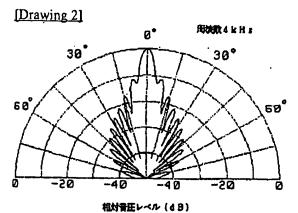
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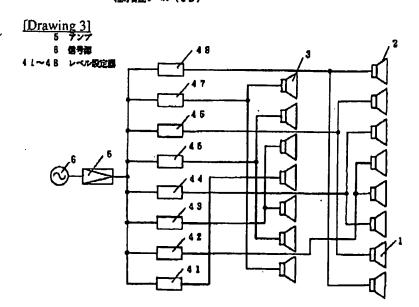
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DRAWINGS

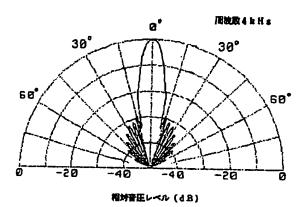


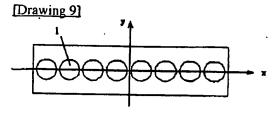


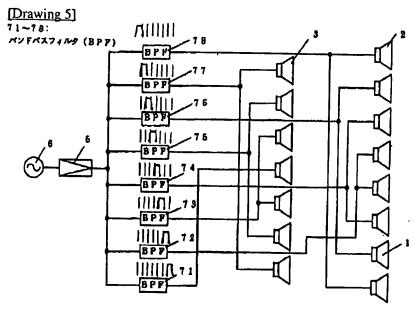


[Drawing 4]

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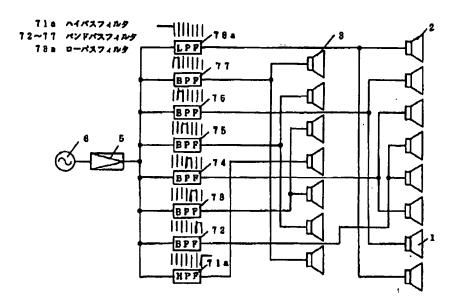


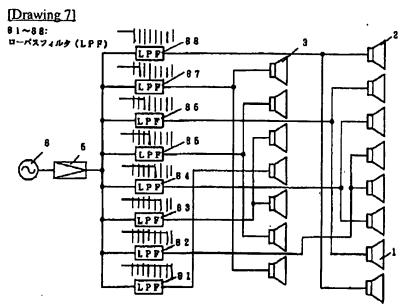




[Drawing 6]

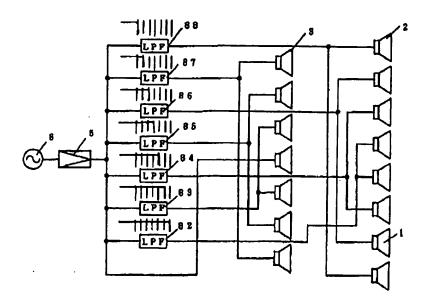
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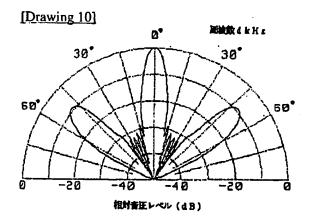




[Drawing 8]

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